

42390P11165

PATENT

**CLAIM AMENDMENTS:**

1. (Currently amended) A system for feature-based image correction, comprising:  
an automatic feature detection unit capable of detecting a feature from an input image according to a correction specification, the correction specification specifying various types of corrections for the feature, the automatic feature detection unit additionally capable of generating a feature description for the detected feature, the feature description characterizing visual properties of the detected feature; and a feature-based correction unit to correct the input image based on the feature description and the correction specification and to generate a corrected image.
2. (Original) The system according to claim 1, wherein the correction specification includes a feature type that defines the feature to be detected and corrected and at least one of:  
a weight applied to the feature; and  
a correction parameter for the feature.
3. (Original) The system according to claim 1, wherein the feature-based correction unit corrects only the detected feature in the input image.
4. (Original) The system according to claim 1, wherein the feature description includes at least one of:  
a feature type  
a location descriptor;  
a shape descriptor; and  
statistical properties.
5. (Currently amended) A device, comprising an automatic feature-based image correction mechanism for generating a corrected image based on an input image, the automatic feature-based image correction mechanism capable of automatically detecting a predetermined feature from the input image, the automatic feature-based image

42390P11165

PATENT

correction mechanism additionally capable of correcting the detected feature according to a correction specification, the correction specification specifying various types of corrections for the feature.

6. (Original) The device according to claim 5, wherein the correction specification comprises:

a feature type; and  
one or more correction parameters that define a correction operation.

7. (Original) The device according to claim 6, wherein the correction operation is at least one of contrast correction and brightness correction.

8. (Currently amended) A method for correcting an image based on one or more image features, comprising:

detecting one or more image features from the image; and  
correcting the image according to a correction specification based upon the one or more image features, the correction specification specifying various types of corrections for the feature.

9. (Original) The method according to claim 8, further comprising generating a feature description for the one or more image features and correcting the image according to the feature description.

10. (Original) The method according to claim 8, wherein the correction specification comprises:

a feature type; and  
one or more correction parameters that define a correction operation.

11. (Original) The method according to claim 10, wherein the correction operation is at least one of contrast correction and brightness correction.

42390P11165

PATENT

12. (Currently amended) A method for feature-based image correction, comprising:  
automatically detecting a feature from an input image according to a correction  
specification, the correction specification specifying various types of corrections  
for the feature;  
generating a feature description for the feature, the feature description characterizing  
visual properties of the detected feature; and  
correcting the input image based on the correction specification and the feature  
description to generate a corrected image.

13. (Original) The method according to claim 12, wherein the feature description  
includes at least one of:

- a location of the feature;
- a shape of the feature;
- statistical properties of the feature; and
- a feature type of the feature.

14. (Original) The method according to claim 12, further comprising setting up the  
correction specification, the setting up including:  
determining a feature type for the feature; and  
specifying a correction parameter for the feature, the correction parameter being  
determined according to the corresponding feature type of the feature.

15. (Original) The method according to claim 14, wherein the feature type includes a  
human face.

16. (Original) The method according to claim 14, wherein the correction parameters  
include at least one of:  
operation mode;  
operation definition; and  
operation parameters.

42390P11165

PATENT

17. (Original) The method according to claim 16, wherein the operation mode includes at least one of:

correcting the entire image; and  
correcting the feature.

18. (Original) The method according to claim 16, wherein the operation definition includes at least one of brightness correction and contrast correction.

19. (Original) The method according to claim 16, wherein the operation parameters include intensity dynamic range.

20. (Previously presented) The method according to claim 16, further comprising assigning a weight to the feature and wherein the weight is used to control the operation parameters during correcting the input image.

21. (Currently amended) A computer program product including computer program code to cause a computer to perform a method for correcting an image based on one or more image features, the method comprising:

automatically detecting one or more image features from the image based on a correction specification, the correction specification specifying various types of corrections for the feature; and  
correcting the image according to the correction specification.

22. (Original) The computer program product according to claim 21, the method further comprising computer program code to perform generating a feature description for the one or more image features and correcting the image according to the feature description.

23. (Original) The computer program product according to claim 21, wherein the correction specification comprises:

a feature type; and  
one or more correction parameters that define a correction operation.

42390P11165

PATENT

24. (Original) The computer program product according to claim 23, wherein the correction operation is at least one of contrast correction and brightness correction.

25. (Currently amended) A computer program product including computer program code to cause a computer to perform a method for feature-based image correction, the method comprising:

detecting a feature from an input image according to a correction specification, the correction specification specifying various types of corrections for the feature;  
generating a feature description for the feature, the feature description characterizing visual properties of the detected feature; and  
correcting the input image based on the correction specification and the feature description to generate a corrected image.

26. (Original) The computer program product according to claim 25, wherein the feature description includes at least one of:

a location of the feature;  
a shape of the feature;  
statistical properties of the feature; and  
a feature type of the feature.

27. (Original) The computer program product according to claim 25, the method further comprising setting up the correction specification, the setting up including:

determining a feature type for the feature; and  
specifying a correction parameter for the feature, the correction parameter being determined according to the corresponding feature type of the feature.

28. (Original) The computer program product according to claim 27, wherein the correction parameters include at least one of:

operation mode;  
operation definition; and

42390P11165

PATENT

operation parameters.

29. (Original) The computer program product according to claim 28, wherein the operation mode includes at least one of:

- correcting the entire image; and
- correcting the feature.